





PAGER Version 4

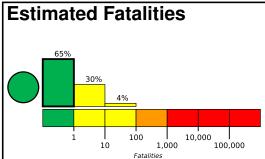
10,000

1,000

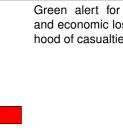
100,000

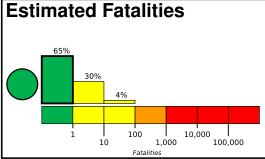
M 5.4, 69 km NNW of Ollage, Chile

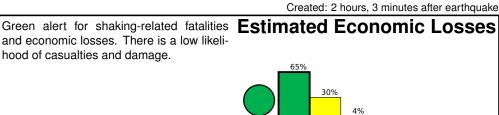
Origin Time: 2023-09-12 04:58:38 UTC (Tue 01:58:38 local) Location: 20.6514° S 68.5222° W Depth: 109.1 km



and economic losses. There is a low likelihood of casualties and damage.





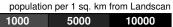


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	546k	10k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure



68.2°W 69.4 11 **(H**quique 20.2 21.4 ocopilla 50-

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

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1
1
10

Selected City Exposure

from GeoNames.org

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MMI	City	Population				
III	Iquique	227k				
Ш	Uyuni	10k				
Ш	Colchani	12k				
Ш	Cruz de Machacamarca	<1k				
Ш	Challapata	8k				
II	Tocopilla	24k				

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage.